

Facility: Nutrien Ag Solutions 776

FACILITY NAME AND LOCATION:

Nutrien Ag Solutions 776
Dept:
2231 East Fifth Street
Thurston, OH 43157 USA
County: Fairfield
Fire District: Thurston-Walnut Township Fire Department
Latitude: 39.845099
Longitude: -82.545006
MAILING ADDRESS: PO Box 128
Thurston, OH 43157 USA

Crop production

2-30

All facility information (not including chemical information) is identical to last year's submission

IDENTIFICATION NUMBERS:

Dun & Bradstreet: N/A
NAICS: 424910 (Farm Supplies Merchant Wholesalers)

Is the facility manned? Manned Unmanned
Maximum No. of Occupants: 10

REGULATORY INFORMATION:

Subject to Emergency Planning under Section 302 of EPCRA (40 CFR part 355)? Yes No
Subject to Chem. Accident Prevention under Section 112(r) of CAA (40 CFR part 68, Risk Mgmt. Pgm.)? Yes No

STATE-SPECIFIC FACILITY DATA FIELDS FOR OH:

Confidential Location Forms Included
 Facility Name has changed
Previous facility name (if known):
 Owner / Operator has changed
Previous parent company/owner (if known):
 Initial Filing (First Time Filer)
 Updated Filing
 Annual Filing
Total EHS Chemicals Included:
Number of Chemicals Included:

CONTACT INFORMATION:

Axline, Derek
Title: Crop Consultant
Contact Type(s): Tier II Information Contact
Address: PO Box 128, Thurston, OH 43157 USA
Phones: 24-hour: 740-215-1207 Work: 740-862-6868
Email: derek.axline@nutrien.com

Houston, Lori
Title: Safety Coordinator
Contact Type(s): Fac. Emergency Coordinator
Address: PO Box 128, Thurston, OH 43157 USA
Phones: 24-hour: 740-277-3934 Work: 740-862-6868
Email: lori.houston@nutrien.com

Mar 1, 2020

Facility: Nutrien Ag Solutions 776 (continued)

Nutrien Ag Solutions,

Title:

Contact Type(s): Owner / Operator

Address: 3005 Rocky Mountain Avenue, Loveland, CO 80538 USA

Phones: Work: 970-685-3300

Email: josh.quilliam@nutrien.com

Quilliam, Josh

Title: Manager

Contact Type(s): Emergency Contact

Address: PO Box 128, Thurston, OH 43157 USA

Phones: 24-hour: 740-215-6394 Work: 740-862-6868

Email: josh.quilliam@nutrien.com

CHEMICAL INVENTORY INFORMATION:

Mixture or Product Name: Accomplish LM

CAS #:

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 16930 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 8465 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Facility: Nutrien Ag Solutions 776 (continued)

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Proprietary Microbial Soil Amendment CAS #: [] EHS
Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Actamaster SC

CAS #: 7783-20-2

EHS: [] Yes [X] No

[] Pure [X] Mixture

[X] Solid [] Liquid [] Gas

[] Identical to previous year

[] Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

[] Hazard not otherwise classified

AMOUNTS:

[] Below Reporting Thresholds

Maximum Amount: 26112 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)

Average Daily Amount: 10000 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)

Max amount in largest container:

Days on site: 365

Facility: Nutrien Ag Solutions 776 (continued)

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bag Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Ammonium Sulfate Solution CAS #: 7783-20-2 EHS

Max Amt Code: Component Percentage: 99 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Acuron

CAS #: 87392-12-9

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 46563 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)

Average Daily Amount: 6729 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Facility: Nutrien Ag Solutions 776 (continued)

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Atrazine CAS #: 1912-24-9 [] EHS
Max Amt Code: Component Percentage: 10.93 (by weight)

Name: Mesotrione CAS #: 104206-82-8 [] EHS
Max Amt Code: Component Percentage: 2.6 (by weight)

Name: S-Metolachlor CAS #: 87392-12-9 [] EHS
Max Amt Code: Component Percentage: 23.4 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Ammonium Polyphosphate Sol. (10-34-0)

CAS #: 68333-79-9

- EHS: [] Yes [X] No
[] Pure [X] Mixture
[] Solid [X] Liquid [] Gas
[] Identical to previous year
[] Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

[] Hazard not otherwise classified

AMOUNTS:

- [] Below Reporting Thresholds
Maximum Amount: 131269 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)

Facility: Nutrien Ag Solutions 776 (continued)

Average Daily Amount: 26422 pounds Average Daily Amount code: 07 (25,000 - 49,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

MIXTURE COMPONENTS:

Name: Ammonium Polyphosphate CAS #: 68333-79-9 EHS
Max Amt Code: Component Percentage: 98 (by weight)

Name: Ammonium Sulfate CAS #: 7783-20-2 EHS
Max Amt Code: Component Percentage: 2 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Atrazine 4L

CAS #: 1912-24-9

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds
Maximum Amount: 40454 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)
Average Daily Amount: 12869 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)
Max amount in largest container:
Days on site: 365

Facility: Nutrien Ag Solutions 776 (continued)

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Atrazine CAS #: 1912-24-9 EHS
Max Amt Code: Component Percentage: 42.6 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Black Label ZN

CAS #:

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

Facility: Nutrien Ag Solutions 776 (continued)

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 43938 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)

Average Daily Amount: 21980 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Proprietary Blend of Fertilizers CAS #: EHS

Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Double Header

CAS #: 34256-82-1

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Facility: Nutrien Ag Solutions 776 (continued)

Combustible dust

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 21130 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 5400 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 270

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Acetochlor CAS #: 34256-82-1 EHS

Max Amt Code: Component Percentage: 35 (by weight)

Name: Mesotrione CAS #: 104206-82-8 EHS

Max Amt Code: Component Percentage: 4.1 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Gramoxone SL 2.0

CAS #: 1910-42-5

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Facility: Nutrien Ag Solutions 776 (continued)

- | | |
|--|--|
| <input type="checkbox"/> Pyrophoric gas | <input type="checkbox"/> Carcinogenicity |
| <input type="checkbox"/> Self-heating | <input type="checkbox"/> Reproductive toxicity |
| <input type="checkbox"/> Organic peroxide | <input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure) |
| <input checked="" type="checkbox"/> Corrosive to metal | <input type="checkbox"/> Aspiration hazard |
| <input type="checkbox"/> Gas under pressure (compressed gas) | <input type="checkbox"/> Simple asphyxiant |
| <input type="checkbox"/> In contact with water emits flammable gas | |
| <input type="checkbox"/> Combustible dust | |
| <input type="checkbox"/> Hazard not otherwise classified | |

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 1093 pounds Maximum Amount code: 04 (1,000 - 4,999 pounds)
Average Daily Amount: 182 pounds Average Daily Amount code: 02 (100 - 499 pounds)
Max amount in largest container:
Days on site: 270

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Paraquat Dichloride CAS #: 1910-42-5 EHS
Max Amt Code: 02 (100 - 499 pounds) Component Percentage: 30.1 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Harness Xtra 5.6L

CAS #: 34256-82-1

- EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Facility: Nutrien Ag Solutions 776 (continued)

Combustible dust

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 19528 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 9011 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Acetochlor CAS #: 34256-82-1 EHS

Max Amt Code: Component Percentage: 33.4 (by weight)

Name: Atrazine CAS #: 1912-24-9 EHS

Max Amt Code: Component Percentage: 26.9 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Instinct II

CAS #: 1929-82-4

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Facility: Nutrien Ag Solutions 776 (continued)

- | | |
|--|---|
| <input type="checkbox"/> Pyrophoric gas | <input checked="" type="checkbox"/> Carcinogenicity |
| <input type="checkbox"/> Self-heating | <input type="checkbox"/> Reproductive toxicity |
| <input type="checkbox"/> Organic peroxide | <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Corrosive to metal | <input checked="" type="checkbox"/> Aspiration hazard |
| <input type="checkbox"/> Gas under pressure (compressed gas) | <input type="checkbox"/> Simple asphyxiant |
| <input type="checkbox"/> In contact with water emits flammable gas | |
| <input type="checkbox"/> Combustible dust | |
- Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 20669 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)
Average Daily Amount: 7248 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)
Max amount in largest container:
Days on site: 270

STORAGE LOCATIONS:

- Confidential: Yes No
- Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

- Name: Nitrapyrin CAS #: 1929-82-4 EHS
Max Amt Code: Component Percentage: 16.95 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

- Fee classification for this reported substance:

Mixture or Product Name: Lime, Pellet

- CAS #: 1317-65-3
EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Facility: Nutrien Ag Solutions 776 (continued)

Combustible dust

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 250000 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)

Average Daily Amount: 50000 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in dry fertilizer warehouse.

MIXTURE COMPONENTS:

Name: Calcium Carbonate CAS #: 1317-65-3 EHS

Max Amt Code: Component Percentage: 95 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Mad Dog Plus

CAS #: 38641-94-0

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 40602 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2019

Page 14

Printed: February 27, 2020

Facility: Nutrien Ag Solutions 776 (continued)

Average Daily Amount: 9916 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Glyphosate CAS #: 38641-94-0 EHS

Max Amt Code: Component Percentage: 41 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Makaze

CAS #: 38641-94-0

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 67539 pounds Maximum Amount code: 08 (50,000 - 74,999 pounds)

Average Daily Amount: 34785 pounds Average Daily Amount code: 07 (25,000 - 49,999 pounds)

Max amount in largest container:

Days on site: 365

Facility: Nutrien Ag Solutions 776 (continued)

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Glyphosate CAS #: 38641-94-0 EHS

Max Amt Code: Component Percentage: 41 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Matador

CAS #: 51218-45-2

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2019

Page 16

Printed: February 27, 2020

Facility: Nutrien Ag Solutions 776 (continued)

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 52887 pounds Maximum Amount code: 08 (50,000 - 74,999 pounds)

Average Daily Amount: 20990 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)

Max amount in largest container:

Days on site: 270

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Imazethapyr CAS #: 81335-77-5 EHS

Max Amt Code: Component Percentage: 1.38 (by weight)

Name: Metolachlor CAS #: 51218-45-2 EHS

Max Amt Code: Component Percentage: 43.72 (by weight)

Name: Metribuzin CAS #: 21087-64-9 EHS

Max Amt Code: Component Percentage: 6.14 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Matador S

CAS #: 87392-12-9

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2019

Page 17

Printed: February 27, 2020

Facility: Nutrien Ag Solutions 776 (continued)

- | | |
|--|---|
| <input type="checkbox"/> Pyrophoric gas | <input type="checkbox"/> Carcinogenicity |
| <input type="checkbox"/> Self-heating | <input type="checkbox"/> Reproductive toxicity |
| <input type="checkbox"/> Organic peroxide | <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Corrosive to metal | <input type="checkbox"/> Aspiration hazard |
| <input type="checkbox"/> Gas under pressure (compressed gas) | <input type="checkbox"/> Simple asphyxiant |
| <input type="checkbox"/> In contact with water emits flammable gas | |
| <input type="checkbox"/> Combustible dust | |
- Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 30974 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)
Average Daily Amount: 30974 pounds Average Daily Amount code: 07 (25,000 - 49,999 pounds)
Max amount in largest container:
Days on site: 60

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Imazethapyr CAS #: 81335-77-5 EHS
Max Amt Code: Component Percentage: 1.83 (by weight)

Name: Metribuzin CAS #: 21087-64-9 EHS
Max Amt Code: Component Percentage: 8.23 (by weight)

Name: S-Metolachlor CAS #: 87392-12-9 EHS
Max Amt Code: Component Percentage: 37.08 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Maximum N-Pact K

CAS #: 57-13-6

- EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

Facility: Nutrien Ag Solutions 776 (continued)

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
- Maximum Amount: 44908 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)
- Average Daily Amount: 20600 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)
- Max amount in largest container:
- Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Potassium Acetate CAS #: 127-08-2 EHS
Max Amt Code: Component Percentage: 20 (by weight)

Name: Triazone CAS #: 7098-14-8 EHS
Max Amt Code: Component Percentage: 21.5 (by weight)

Name: Urea CAS #: 57-13-6 EHS
Max Amt Code: Component Percentage: 22 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Facility: Nutrien Ag Solutions 776 (continued)

Mixture or Product Name: MicroEssential S10

CAS #: 7722-76-1

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 300000 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)

Average Daily Amount: 50000 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in dry fertilizer warehouse.

MIXTURE COMPONENTS:

Name: Ammonium Sulfate CAS #: 7783-20-2 EHS

Max Amt Code: Component Percentage: 15 (by weight)

Name: MAP CAS #: 7722-76-1 EHS

Max Amt Code: Component Percentage: 78 (by weight)

Name: Sulfur CAS #: 7704-34-9 EHS

Max Amt Code: Component Percentage: 6 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Facility: Nutrien Ag Solutions 776 (continued)

Mixture or Product Name: Monoammonium Phosphate (11-52-0)

CAS #: 7722-76-1

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 300000 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)

Average Daily Amount: 50000 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in dry fertilizer warehouse.

MIXTURE COMPONENTS:

Name: Ammonium Phosphate CAS #: 7722-76-1 EHS

Max Amt Code: Component Percentage: 90 (by weight)

Name: Ammonium Sulfate CAS #: 7783-20-2 EHS

Max Amt Code: Component Percentage: 5 (by weight)

Name: Calcium Sulfate CAS #: 10101-41-4 EHS

Max Amt Code: Component Percentage: 2 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Facility: Nutrien Ag Solutions 776 (continued)

Mixture or Product Name: MSO Concentrate

CAS #:

- EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 10589 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)
Average Daily Amount: 5002 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Methylated Vegetable Oil CAS #: EHS
Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: MSO Concentrate w/ Leci-Tech

CAS #:

Facility: Nutrien Ag Solutions 776 (continued)

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds
Maximum Amount: 12202 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)
Average Daily Amount: 4800 pounds Average Daily Amount code: 04 (1,000 - 4,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Methylated Vegetable Oil CAS #: EHS
Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: N-Serve 24

CAS #: 1929-82-4

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas

Facility: Nutrien Ag Solutions 776 (continued)

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 10605 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 2337 pounds Average Daily Amount code: 04 (1,000 - 4,999 pounds)

Max amount in largest container:

Days on site: 90

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: PRC (Minibulk)

Pressure: Ambient pressure

Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Nitrapyrin CAS #: 1929-82-4 EHS

Max Amt Code: Component Percentage: 22.2 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Paraquat 3SL

CAS #: 1910-42-5

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Facility: Nutrien Ag Solutions 776 (continued)

- | | |
|--|--|
| <input type="checkbox"/> Oxidizer (liquid, solid, or gas) | <input checked="" type="checkbox"/> Serious eye damage or eye irritation |
| <input type="checkbox"/> Self-reactive | <input type="checkbox"/> Respiratory or skin sensitization |
| <input type="checkbox"/> Pyrophoric (liquid or solid) | <input type="checkbox"/> Germ cell mutagenicity |
| <input type="checkbox"/> Pyrophoric gas | <input type="checkbox"/> Carcinogenicity |
| <input type="checkbox"/> Self-heating | <input type="checkbox"/> Reproductive toxicity |
| <input type="checkbox"/> Organic peroxide | <input checked="" type="checkbox"/> Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Corrosive to metal | <input type="checkbox"/> Aspiration hazard |
| <input type="checkbox"/> Gas under pressure (compressed gas) | <input type="checkbox"/> Simple asphyxiant |
| <input type="checkbox"/> In contact with water emits flammable gas | |
| <input type="checkbox"/> Combustible dust | |
- Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 1705 pounds Maximum Amount code: 04 (1,000 - 4,999 pounds)
Average Daily Amount: 405 pounds Average Daily Amount code: 02 (100 - 499 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

- Confidential: Yes No
- Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

- Name: Paraquat Dichloride CAS #: 1910-42-5 EHS
Max Amt Code: 03 (500 - 999 pounds) Component Percentage: 45 (by weight)
- Name: Valeric Acid CAS #: 109-52-4 EHS
Max Amt Code: Component Percentage: 5 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

- Fee classification for this reported substance:

Mixture or Product Name: Potash, Muriate

- CAS #: 7447-40-7
EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity

Facility: Nutrien Ag Solutions 776 (continued)

- | | |
|--|---|
| <input type="checkbox"/> Pyrophoric gas | <input type="checkbox"/> Carcinogenicity |
| <input type="checkbox"/> Self-heating | <input type="checkbox"/> Reproductive toxicity |
| <input type="checkbox"/> Organic peroxide | <input type="checkbox"/> Specific target organ toxicity (single or repeated exposure) |
| <input type="checkbox"/> Corrosive to metal | <input type="checkbox"/> Aspiration hazard |
| <input type="checkbox"/> Gas under pressure (compressed gas) | <input type="checkbox"/> Simple asphyxiant |
| <input type="checkbox"/> In contact with water emits flammable gas | |
| <input type="checkbox"/> Combustible dust | |
- Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 800000 pounds Maximum Amount code: 11 (500,000 - 999,999 pounds)
Average Daily Amount: 100000 pounds Average Daily Amount code: 10 (100,000 - 499,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

- Confidential: Yes No
- Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in dry fertilizer warehouse.

MIXTURE COMPONENTS:

- Name: Potassium Chloride CAS #: 7447-40-7 EHS
Max Amt Code: Component Percentage: 99 (by weight)
- Name: Sodium Chloride CAS #: 7647-14-5 EHS
Max Amt Code: Component Percentage: 4 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Prefix

- CAS #: 87392-12-9
EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)

Facility: Nutrien Ag Solutions 776 (continued)

- Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust
 Aspiration hazard
 Simple asphyxiant
 Hazard not otherwise classified

AMOUNTS:

- Below Reporting Thresholds
Maximum Amount: 12377 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)
Average Daily Amount: 3411 pounds Average Daily Amount code: 04 (1,000 - 4,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: S-Metolachlor CAS #: 87392-12-9 EHS
Max Amt Code: Component Percentage: 46.4 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Riser

CAS #:

- EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

- Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

Facility: Nutrien Ag Solutions 776 (continued)

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 127320 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)

Average Daily Amount: 63660 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in bulk tank(s).

MIXTURE COMPONENTS:

Name: Proprietary Blend of Fertilizers CAS #: EHS

Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Roundup PowerMAX

CAS #: 70901-12-1

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 97843 pounds Maximum Amount code: 09 (75,000 - 99,999 pounds)

Average Daily Amount: 72418 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)

Max amount in largest container:

Days on site: 365

Facility: Nutrien Ag Solutions 776 (continued)

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Glyphosate CAS #: 70901-12-1 EHS
Max Amt Code: Component Percentage: 48.7 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Salvo

CAS #: 1928-43-4

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas
- Combustible dust

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Hazard not otherwise classified

Tier Two
Emergency and Hazardous Chemical Inventory
Specific Information by Chemical

Reporting Period: January 1 to December 31, 2019

Page 29

Printed: February 27, 2020

Facility: Nutrien Ag Solutions 776 (continued)

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 11629 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 5520 pounds Average Daily Amount code: 05 (5,000 - 9,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Plastic jugs Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

Container Type: PRC (Minibulk) Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: 2,4-D 2-Ethylhexyl Ester CAS #: 1928-43-4 EHS

Max Amt Code: Component Percentage: 81.8 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Thio-Sul

CAS #: 7783-18-8

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 47292 pounds Maximum Amount code: 07 (25,000 - 49,999 pounds)

Facility: Nutrien Ag Solutions 776 (continued)

Average Daily Amount: 22520 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

Container Type: Tank inside a building Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Ammonium Sulfate CAS #: 7783-20-2 EHS
Max Amt Code: Component Percentage: 9 (by weight)

Name: Ammonium Sulfite CAS #: 10196-04-0 EHS
Max Amt Code: Component Percentage: 5 (by weight)

Name: Ammonium Thiosulfate CAS #: 7783-18-8 EHS
Max Amt Code: Component Percentage: 60 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Thrust

CAS #: 7783-20-2

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

- Explosive
- Flammable (gases, aerosols, liquids, or solids)
- Oxidizer (liquid, solid, or gas)
- Self-reactive
- Pyrophoric (liquid or solid)
- Pyrophoric gas
- Self-heating
- Organic peroxide
- Corrosive to metal
- Gas under pressure (compressed gas)
- In contact with water emits flammable gas

HEALTH HAZARDS:

- Acute toxicity (any route of exposure)
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Respiratory or skin sensitization
- Germ cell mutagenicity
- Carcinogenicity
- Reproductive toxicity
- Specific target organ toxicity (single or repeated exposure)
- Aspiration hazard
- Simple asphyxiant

Facility: Nutrien Ag Solutions 776 (continued)

Combustible dust

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 21685 pounds Maximum Amount code: 06 (10,000 - 24,999 pounds)

Average Daily Amount: 10000 pounds Average Daily Amount code: 06 (10,000 - 24,999 pounds)

Max amount in largest container:

Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bag Pressure: Ambient pressure Temperature: Ambient temperature

Amount: Location Description: Stored in chemical warehouse.

MIXTURE COMPONENTS:

Name: Ammonium Sulfate (Dry) CAS #: 7783-20-2 EHS

Max Amt Code: Component Percentage: 100 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: UAN Solution (28%-32%)

CAS #: 57-13-6

EHS: Yes No

Pure Mixture

Solid Liquid Gas

Identical to previous year

Trade secret

PHYSICAL HAZARDS:

Explosive

Flammable (gases, aerosols, liquids, or solids)

Oxidizer (liquid, solid, or gas)

Self-reactive

Pyrophoric (liquid or solid)

Pyrophoric gas

Self-heating

Organic peroxide

Corrosive to metal

Gas under pressure (compressed gas)

In contact with water emits flammable gas

Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Respiratory or skin sensitization

Germ cell mutagenicity

Carcinogenicity

Reproductive toxicity

Specific target organ toxicity (single or repeated exposure)

Aspiration hazard

Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds

Maximum Amount: 1247625 pounds Maximum Amount code: 12 (1,000,000 - 9,999,999 pounds)

Facility: Nutrien Ag Solutions 776 (continued)

Average Daily Amount: 621040 pounds Average Daily Amount code: 11 (500,000 - 999,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Above ground tank Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in bulk tank(s).

MIXTURE COMPONENTS:

Name: Ammonium Nitrate CAS #: 6484-52-2 EHS
Max Amt Code: Component Percentage: 48 (by weight)

Name: Urea CAS #: 57-13-6 EHS
Max Amt Code: Component Percentage: 38 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Urea

CAS #: 57-13-6

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds
Maximum Amount: 300000 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)
Average Daily Amount: 150000 pounds Average Daily Amount code: 10 (100,000 - 499,999 pounds)
Max amount in largest container:
Days on site: 365

Facility: Nutrien Ag Solutions 776 (continued)

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in dry fertilizer warehouse.

MIXTURE COMPONENTS:

Name: Urea CAS #: 57-13-6 EHS
Max Amt Code: Component Percentage: 97.6 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

Mixture or Product Name: Urea, ESN Polymer Coated

CAS #: 57-13-6

EHS: Yes No
 Pure Mixture
 Solid Liquid Gas
 Identical to previous year
 Trade secret

PHYSICAL HAZARDS:

Explosive
 Flammable (gases, aerosols, liquids, or solids)
 Oxidizer (liquid, solid, or gas)
 Self-reactive
 Pyrophoric (liquid or solid)
 Pyrophoric gas
 Self-heating
 Organic peroxide
 Corrosive to metal
 Gas under pressure (compressed gas)
 In contact with water emits flammable gas
 Combustible dust

HEALTH HAZARDS:

Acute toxicity (any route of exposure)
 Skin corrosion or irritation
 Serious eye damage or eye irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 Specific target organ toxicity (single or repeated exposure)
 Aspiration hazard
 Simple asphyxiant

Hazard not otherwise classified

AMOUNTS:

Below Reporting Thresholds
Maximum Amount: 300000 pounds Maximum Amount code: 10 (100,000 - 499,999 pounds)
Average Daily Amount: 50000 pounds Average Daily Amount code: 08 (50,000 - 74,999 pounds)
Max amount in largest container:
Days on site: 365

STORAGE LOCATIONS:

Confidential: Yes No

Container Type: Bin, Bay or Pile Pressure: Ambient pressure Temperature: Ambient temperature
Amount: Location Description: Stored in dry fertilizer warehouse.

Facility: Nutrien Ag Solutions 776 (continued)

MIXTURE COMPONENTS:

Name: Castor Oil Polymer CAS #: 67700-69-0 [] EHS
Max Amt Code: Component Percentage: 4 (by weight)

Name: Urea CAS #: 57-13-6 [] EHS
Max Amt Code: Component Percentage: 95 (by weight)

STATE-SPECIFIC CHEMICAL DATA FIELDS FOR OH:

Fee classification for this reported substance:

State/local fees: None

- I have attached a site plan
- I have attached a list of site coordinate abbreviations
- I have attached a description of dikes and other safeguard measures

Certification (Read and sign after completing all sections)

I certify under penalty of law that I have personally examined and am familiar with the information in pages 1 through 34, and that based on my inquiry of those individuals responsible for obtaining this information, I believe that the submitted information is true, accurate, and complete.



Signature

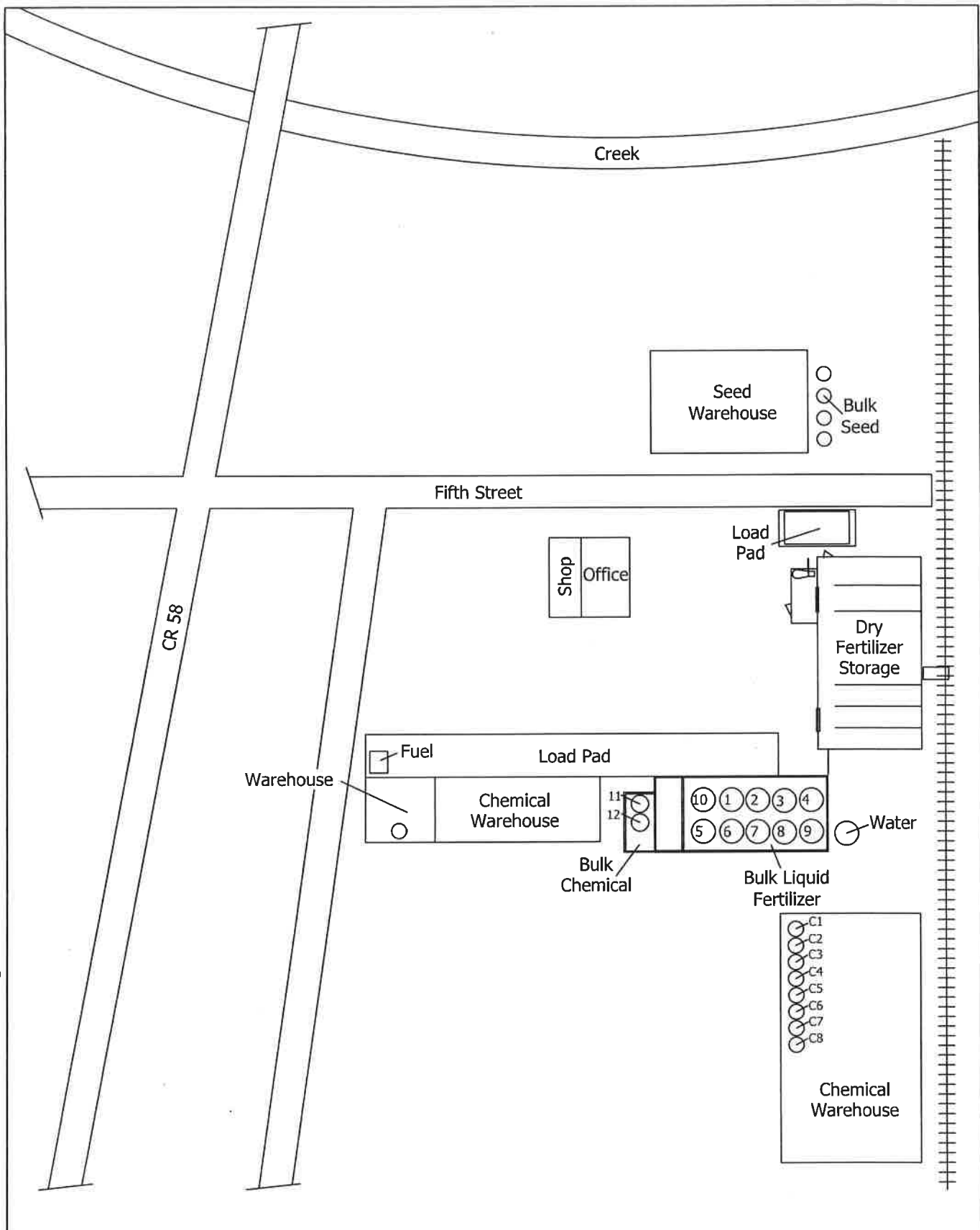
01/29/2020

Date signed

Luke Jacobs, Authorized Representative

Name and official title of owner/operator

OR owner/operator's authorized representative



Lat: 39.845099 Long: -82.545006

Nutrien Ag Solutions 776
 2231 East Fifth Street
 Thurston, OH 43157
 740-862-6868

Revised:
 07/01/18



Code:
 17620